| ORMALITY REVIEW           | INITIALS | ID NO. | DATE       |
|---------------------------|----------|--------|------------|
| FEE DETERMINATION         |          |        | 033000     |
| O.I.P.E. CLASSIFIER       |          |        | 5 4-41 010 |
| FORMALITY REVIEW          |          | 600    | Aud I      |
| RESPONSE FORMALITY REVIEW |          | 1/8/5/ | (S/2)(a)   |
|                           |          | Gi.    |            |

## **INDEX OF CLAIMS**

| • | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

|          |          |               |            |              |              | ÷            |          |            | ••••         |              | •••••     |
|----------|----------|---------------|------------|--------------|--------------|--------------|----------|------------|--------------|--------------|-----------|
| Cla      | im       |               |            |              |              | Dat          | e        |            |              |              |           |
| Cir      |          | Š             | -          | Γ.           | Τ            | Ī            |          |            |              |              | П         |
| Final    | Original | disy la       |            |              |              |              |          |            |              |              |           |
| ۳        | e<br>T   | 7             |            | ·            | ╢            | $\vdash$     | -        | _          | _            |              | Н         |
| ┢        | 2        | 7             | -          |              | <del> </del> | ┢            | -        |            |              |              | Н         |
| _        | 3        | 7             |            |              |              |              |          |            |              |              |           |
|          | 4        | Ž             |            |              |              |              |          |            |              |              |           |
| X        | 5        | $\mathcal{L}$ |            |              |              |              | _        | _          |              |              | Ш         |
| -        | 6        | Ζ,            | _          | _            | L            | ┞            | L        | _          | _            |              | Ш         |
| ٤        | 7<br>8   | 1             |            | -            | ⊢            | ⊢            | -        | -          | -            |              | Н         |
| -        | 9        | 1             | _          | <del> </del> | -            | ├-           | $\vdash$ | -          | _            |              | Н         |
| -        | 10       | 1             |            | $\vdash$     | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$   |              |              | Н         |
|          | 11       | Ż             |            |              | t            | 1            | Г        |            |              | _            |           |
|          | 12       | J,            |            |              |              |              |          |            |              |              |           |
|          | 13       | 7             |            |              |              |              |          |            |              |              |           |
| $\Box$   | É        | ₹,            |            | _            |              |              |          | lacksquare | _            |              | Ш         |
| L        | 15       | 4             |            | Ľ.           | -            | 1            | -        | _          |              | <u> </u>     | Н         |
| H        | 16<br>17 | 1             | _          | -            | ⊢            | ⊢            | ┝        |            | Н            |              | Н         |
| -        | 18       | 1             | -          | -            | $\vdash$     | $\vdash$     | -        | H          | -            |              | Н         |
| H        | 19       | 1             | -          | T            | $\vdash$     | $\vdash$     |          |            | -            |              |           |
|          | 20       | 1             | $\vdash$   | Г            |              | 1.           |          |            |              |              |           |
| *        | 2        | J,            | Г          |              | T            |              |          | -          |              |              |           |
|          | 22       | 1             |            |              |              |              |          |            |              |              |           |
| Ļ        | 23       | V             |            | <u> </u>     | L            | ļ            | _        |            |              | L.           |           |
|          | 24       | 4             | -          | -            | H            |              | H        | -          |              |              | H         |
| -        | 25<br>26 | 7             | $\vdash$   | -            | ├            | $\vdash$     | $\vdash$ | -          | -            | -            | $\vdash$  |
|          | 27       | 1             | Ė          | H            | t            | <del> </del> | H        |            | _            | -            | H         |
|          | 28       | I             | Т          |              |              |              | 1        |            |              | :            |           |
|          | 29       | $I_{I}$       |            |              |              |              |          |            |              |              |           |
| Ŀ        | 30       | ΙZ,           | <b>!</b> _ | L            | L            | ļ            | 1_       | <u> </u>   | _            | L            | Ļ.,       |
| <u>-</u> | 31       | ₩             | 4-         | ╀            | ╀            | ╀            | ╀        | -          | <del> </del> | ┝            | ├         |
| $\vdash$ | 32<br>33 | ₩             | }-         | H            | ╁            | +-           | ┼-       | ├-         | ├            | ├-           | ╁         |
| $\vdash$ | 34       | 17            | 1          | ╁╌           | ╁            | +            | -        | H          | ┢            | ┢            | ╁╌        |
| $\vdash$ | 35       |               |            | t            | T            | ✝            | 1        | 1          | $\vdash$     | 1            | T         |
|          | 36       |               |            |              |              |              |          |            |              |              |           |
| _        | 37       | V             |            | L            | 1            | 1            | 1        | _          | L            | L            | _         |
| $\vdash$ | 38       |               | 4          | ╂-           | ╄            | +            | -        | +-         | 1            | 1            | -         |
| -        | 39<br>40 | 17            | ╀          | +            | +            | +            | +-       | +          | +            | $\vdash$     | +-        |
| $\vdash$ | 41       | +*/           | +-         | +            | +            | +-           | +        | +          | $\vdash$     | +            | ╁         |
| $\vdash$ | 42       | ٠,            | ✙          | ╁            | +            | +            | +-       | ┼          | +-           | ╁            | +         |
| -        | 43       | 7             | 7          | +            | $^{\dagger}$ | $^{+}$       | +        | †-         | $\vdash$     | †            | $\dagger$ |
| $\vdash$ | 44       |               | T          | T            | 1            | T            | †        | 1          | 1            | T            | 1         |
|          | 45       | 1             | I          | I            | I            | I            | I        | I          | I            |              |           |
|          | 46       | +-/           | 4          | L            | T            | Ļ            | $\perp$  | Ļ          | L            | L            | Ļ         |
| -        | 47       | _             | 4          | 1            | 4            | +            | +        | +          | -            | $\downarrow$ | 1         |
| $\vdash$ | 49       | <u> </u>      | 4_         | ╀            | +            | +            | +-       | ╀╌         | +-           | +            | +         |
| -        | 145      | 17            | 4-         | +            |              | +-           | +-       | +-         | ┼            | +            | +-        |

| Cla      | tim      | ٦            |              |          | _        | Date     |          |          |  |          |   |  |  |
|----------|----------|--------------|--------------|----------|----------|----------|----------|----------|--|----------|---|--|--|
|          |          | 120/22       |              |          | Γ        | Γ        | T        | T        |  |          |   |  |  |
| - CE     | ij       | 3            |              |          |          | 1        | 1        |          |  |          |   |  |  |
| Final    | Original | 7            |              |          |          | 1        |          |          | ĺ  |          |   |  |  |
| -        | 51       |              |              | -        | $\vdash$ | +        | t-       | $\vdash$ | ┢  | $\vdash$ | ┝ |  |  |
|          | 52       | 1/           |              | H        | ⊢        | ┼        | ╁        | ├-       | ├-   | $\vdash$ | ┝ |  |  |
|          |          | 4            | -            | _        | $\vdash$ | ├-       | ↓_       |          | <u> </u>   |          | - |  |  |
|          | 53       | $\angle$     |              |          | L        | _        |          |          | L  |          | L |  |  |
|          | 54       | $\angle$     |              | <u> </u> | L        | 1        |          |          | L  |          | L |  |  |
|          | 55       |              |              |          |          |          |          |          |  |          |   |  |  |
|          | 56       | 7            |              |          | Г        | П        |          |          |  |          |   |  |  |
|          | 57       | 1            |              |          | Т        |          |          | T        |  |          | Г |  |  |
|          | 58       | 1            |              | ┢        | Т        |          | 1        | 1        | _  |          | Г |  |  |
| -        | 59       |              | -            | ┢        | H        | +        | 1        | $\vdash$ | -  | -        | - |  |  |
|          |          | _            |              | ┢        | ┢        | +-       | ┼        | ╁        | $\vdash$   | $\vdash$ | Н |  |  |
|          | 60<br>61 | $\angle$     |              | _        | ┝-       | ╀        | -        |          | ⊢  | H        | ┝ |  |  |
|          | _        |              |              |          | Ŀ        | ↓_       | ļ        | ļ        | _  | L        | L |  |  |
|          | 62       |              |              | _        | ┖        | 上        | <u> </u> |          | L  |          | L |  |  |
|          | 63       |              |              |          | _        |          |          |          |  |          |   |  |  |
|          | 64       | Ι            |              |          | Γ        | Г        |          | Ī        | <u> </u>   |          |   |  |  |
|          | 65       |              |              | Г        | Г        | Т        | Г        |          |  |          |   |  |  |
|          | 66       | П            |              | _        | 1        | T        | $\vdash$ | $\vdash$ |  |          | Т |  |  |
|          | 67       |              |              | ┢        | ┢        | ╁        | $\vdash$ | $\vdash$ | -  | $\vdash$ | Н |  |  |
| _        | 68       |              | Н            | $\vdash$ | ⊢        | ╁┈       | ⊢        | ╁        | -  | -        | ┝ |  |  |
|          |          | H            |              | -        | -        | ┾        | ╁┈       | ┼─       |  | $\vdash$ | - |  |  |
|          | 69       | Ŀ            |              | L        | Ļ.       | ⊢        | ┺        | ┡        | _  | _        | L |  |  |
|          | 70       | سسر          | 1            |          | 1        | 1        | 1        |          |  |          |   |  |  |
|          | 71       |              |              |          | Γ        | П        | Г        |          |  |          | Г |  |  |
|          | 72       |              |              |          | T        | 1        | $\vdash$ | $\Box$   |  |          | Г |  |  |
|          | 73       | $\vdash$     | $\vdash$     | -        | ╁        | +        | ┼─       | _        | <del>                                     </del> | -        | Н |  |  |
| _        | 74       | -            | H            | $\vdash$ | ╁        | ╁╌       | ╁        | ╁        | -  | -        | ⊢ |  |  |
|          | —        |              | -            | -        | ╀        | ╁        | ┼        | $\vdash$ | ├  | -        | - |  |  |
|          | 75       | L            | _            | <u> </u> | ↓_       | 1        | <u> </u> | 1-       | ⊢  | <u> </u> | L |  |  |
|          | 76       |              | L            | L        | <u> </u> | ┸        | ↓        | <u> </u> | ┖  | ┖        | Ļ |  |  |
|          | 77       |              |              | L.       |          | <u>l</u> |          |          |  |          | L |  |  |
|          | 78       | Π            |              | Γ        |          | T        | T        | ļ        |  | 1        |   |  |  |
| Г        | 79       |              | Г            | Γ        | 1        | T        | 1        |          | Г  |          |   |  |  |
| $\vdash$ | 80       | <del> </del> | <del> </del> | 1        | 1        | $\top$   | +-       | 1        | 1  | T        | Τ |  |  |
| ⊢        | 81       | 1            | ┢            | ╁╴       | ╁╌       | +        | ╁        | ╁╴       | 1  | 1-       | t |  |  |
| <u> </u> | —        | -            | ⊢            | +-       | ╀        | ╁        | +-       | ╁╌       | ╁  | -        | H |  |  |
|          | 82       |              | ļ            | ╀        | +-       | +        | ╀        | ┼        | ╀  | ┼        | ╀ |  |  |
| _        | 83       |              | L_           | ┺        | _        | 4-       | ╄        | ↓_       | ↓_   | ↓        | ╀ |  |  |
| L        | 84       | L            |              | L        | ┸        | _        | $\perp$  | ↓_       | ╙  | 1_       | L |  |  |
|          | 85       |              |              |          | 丄        |          |          | $\perp$  | <u> </u>   |          | L |  |  |
| Г        | 86       | Г            |              | 1        | 1        |          |          |          | _  | 1_       | L |  |  |
| Г        | 87       | Τ            | ĪΤ           | Т        | Т        | T        | Т        | Τ        | T  |          | Γ |  |  |
| Т        | 88       |              | 1            | $\top$   | 1        | <b>T</b> | $\top$   | $\top$   | Τ  | Т        | 1 |  |  |
| $\vdash$ | 89       | -            | +            | $^{+}$   | †-       | +        | 1        | T        | T  | 1-       | t |  |  |
| ⊣        |          | +            | +-           | ╁        | +        | +        | +-       | +        | +  | +        | + |  |  |
| <b> </b> | 90       | -            | 1-           | +        | +        | +-       | +-       | +-       | +-   | +-       | + |  |  |
| L        | 91       |              | 丄            | L        | 1        | 1        | $\perp$  | 1        | 4-   | ↓_       | ¥ |  |  |
| Γ        | 92       | 1            | 1            | L        | $\perp$  | $\perp$  |          | $\perp$  | $\perp$  | 1_       | 1 |  |  |
| Г        | 93       |              | П            | T        | T        |          | 1        | Ĺ        | L  | L        | 1 |  |  |
| F        | 94       |              |              | T        | Τ        | 7        | T        | T        | Τ  | T        | T |  |  |
| $\vdash$ | 95       |              | ╁            | +        | +        | +        | $\top$   | $\top$   | $\top$   | 1        | T |  |  |
| $\vdash$ | -        | +            | +-           | +        | ╁        | ╅        | +-       | +        | 十  | +        | † |  |  |
| $\vdash$ | 96       | <u> </u>     | +-           | +        | +        | +        | +        | +-       | +  | +-       | + |  |  |
| $\vdash$ | 97       |              | 4_           | 4        | +        | +        | - -      | +-       | +  | +        | + |  |  |
|          | 98       |              | 1            | 1        | _        | 4        | _ _      | 4-       | ╁  |          | + |  |  |
|          | 99       | • -          | 1.           | 1        | $\perp$  |          |          | $\perp$  | 4_   | 1_       | + |  |  |
| _        | 10       | 4            | Т.           | Т        | T        |          | - [ ]    | 1        | 1  | 1        |   |  |  |

| Cla      | ıim        |               |  |                |          | Date     |              |  |     |          |    |  |  |  |
|----------|------------|---------------|--|----------------|----------|----------|--------------|--|-----|----------|----|--|--|--|
|          |            | Т             | _  |                |          |          | Γ            |  |     |          | _  |  |  |  |
| -        | Original   |               | į  |                |          |          |              |  |     |          |    |  |  |  |
| Final    | SirC       | ĺ             |  |                |          |          |              |  |     |          |    |  |  |  |
| _        | 101        | -             |  |                |          |          | -            | -  |     | Н        |    |  |  |  |
|          | 102        | $\dashv$      |  | -              |          | _        | -            | -  |     | Н        |    |  |  |  |
| _        | 103        | $\dashv$      |  | H              |          |          | <del> </del> | -  | -   | H        | _  |  |  |  |
|          |            | $\rightarrow$ | _  | $\vdash$       |          | _        | <u> </u>     | <u> </u>                                     |     |          |    |  |  |  |
|          | 104<br>105 | $\dashv$      |  | <u> </u>       |          | _        | <b>-</b>     |  |     | $\dashv$ |    |  |  |  |
|          |            |               |  | <u> </u>       |          | -        | -            | -  | _   | $\vdash$ |    |  |  |  |
| _        | 106<br>107 | $\dashv$      | _  | <del> </del> — |          | _        |              | ļ  | Щ   | Н        |    |  |  |  |
| _        | 108        |               | _  | H              | <u> </u> | <u> </u> |              | <u> </u>                                     | -   | $\vdash$ | _  |  |  |  |
|          | -          | _             |  | _              | -        |          | -            | <u>.                                    </u> | _   |          |    |  |  |  |
| <u> </u> | 109        |               |  | <u> </u>       |          | _        |              | <u> </u>                                     | L.  |          |    |  |  |  |
|          | 110        | _4            |  | _              | _        | L.       |              |  |     |          |    |  |  |  |
|          | 111        | -             |  |                | Щ        | <u> </u> | Ш            | _  | L-  | Ш        | _  |  |  |  |
|          | 112        |               |  | L              |          | <u> </u> | ╙            | <u> </u>                                     | _   | Ц        |    |  |  |  |
|          | 113        |               |  | L              |          | <u> </u> | <u> </u>     | _  |     | Ц        |    |  |  |  |
| L        | 114        |               |  | L              | <u> </u> | L_       | <u> </u>     | _  | _   | Ш        | _  |  |  |  |
|          | 115        | $\Box$        |  |                | L.       | L        | L            | _  |     | Ш        | _  |  |  |  |
|          | 116        |               |  | <u>L</u> .     |          | Ŀ        | Ŀ            | <u> </u>                                     |     | Щ        |    |  |  |  |
|          | 117        | Ц             |  |                |          |          | _            |  | L_  |          |    |  |  |  |
|          | 118        |               |  | ᆫ              |          |          |              | <u> </u>                                     | L.  |          |    |  |  |  |
|          | 119        |               |  | L_             |          | L        |              | L  | L   |          |    |  |  |  |
|          | 120        |               |  |                |          |          |              |  |     |          |    |  |  |  |
|          | 121        |               |  |                |          |          |              |  |     |          |    |  |  |  |
|          | 122        |               |  |                |          |          |              |  |     |          |    |  |  |  |
|          | 123        |               |  |                |          |          |              |  |     |          |    |  |  |  |
|          | 124        |               |  |                |          |          |              |  |     |          |    |  |  |  |
|          | 125        |               |  |                |          |          | L            |  | L   |          |    |  |  |  |
|          | 126        |               |  |                |          |          | L            | _  |     |          |    |  |  |  |
|          | 127        |               |  | <u> </u>       | 1        | <u> </u> | <u> </u>     |  |     | L        | L  |  |  |  |
|          | 128        |               |  |                |          | L        |              | L  |     |          | L  |  |  |  |
|          | 129        |               |  |                |          |          | <u>L</u>     | <u> </u>                                     | L   | L        | L  |  |  |  |
|          | 130        |               |  |                |          |          |              |  | L.  | <u> </u> | L  |  |  |  |
| Г        | 131        |               |  |                | П        |          |              |  | Ĺ., | L        | L  |  |  |  |
|          | 132        |               |  | Π              | Π        |          |              |  | L   | L.       | L  |  |  |  |
| Г        | 133        |               |  |                | Γ        | П        | Γ            |  |     | L        | L  |  |  |  |
|          | 134        |               | _  | 1              | Г        | П        |              |  |     | L        |    |  |  |  |
|          | 135        |               |  | Π              | T        | Π        | L            |  | L   | L        | L  |  |  |  |
| Γ        | 136        |               |  | T              | Γ        | L        |              | <u></u>                                      | L   | _        | L  |  |  |  |
|          | 137        | 1             |  |                |          | П        | I            |  | L   | <u> </u> | L  |  |  |  |
|          | 138        | Ī             | Г  |                |          | Ţ        |              | L  |     | _        | L  |  |  |  |
|          | 139        |               | Г  | 1              | Π        | П        | Π            |  |     | L        | L  |  |  |  |
|          | 140        |               |  | Ī              | T        | П        | Т            | Γ  |     | _        | 1_ |  |  |  |
| -        | 14         | +-            | 1  | 1              | †        | 1        | $\top$       | 1  | Т   |          | Π  |  |  |  |
| -        | 142        | 1             | <del>                                     </del> | $\top$         | 1-       | 1        | +            | T  | T   | 1        | T  |  |  |  |
| $\vdash$ | 143        |               | $\vdash$   | †              | +        | 1        | T            | T  | T   | Τ        | T  |  |  |  |
| H        | 144        | +-            | +  | †              | †        | Τ        | $\top$       | T  | T   | Τ        | Π  |  |  |  |
| $\vdash$ | 145        | -             | ┢  | t              | +-       | +        | +-           | t  | 1   | 1        | Τ  |  |  |  |
| -        | 146        |               | $\vdash$   | t              | $\top$   | 1        | 1            | $\top$                                       | T   | Τ        | Γ  |  |  |  |
| $\vdash$ | 14         |               | 1  | †-             | +        | T        | †            | 1  | 1   | 1        | Τ  |  |  |  |
| $\vdash$ | 141        | 1             | +  | 十              | †        | t        | +-           | 1  | T   | 1        | Τ  |  |  |  |
| $\vdash$ | 14         |               | 1  | +              | +        | T        | T            | $\dagger$                                    | T   | 1        | Γ  |  |  |  |
| $\vdash$ | 150        | <del>d</del>  | +-   | +              | +-       | +        | 1            | I  | I   | L        | L  |  |  |  |
| 4        |            |               |  | _              |          | _        | _            |  |     |          |    |  |  |  |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)